

Search History. 1/21/05. (45 pp.)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	3	"489187".ap.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/01/21 08:19
L2	2	"6143362".pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/01/21 08:27
L3	11257	((257/296) or (257/297) or (257/298) or (257/299) or (257/300) or (257/30\$1) or (257/310) or (257/311) or (257/312) or (257/313) or (257/734) or (257/754) or (257/755) or (257/757) or (257/758) or (257/763) or (257/764) or (257/768) or (257/770) or (257/906)).CCLS.	US-PGPUB; USPAT	OR	OFF	2005/01/21 09:16
L4	6	(titanium near2 zinc near12 alloy) same ((contact adj (opening or hole)) or via) and 3	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/01/21 08:32
L5	4	(titanium near2 zinc near12 alloy) same ((contact adj (opening or hole)) or via) and 3 and silicide	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/01/21 08:34
L6	4	(titanium near2 zinc near12 alloy) same ((contact adj (opening or hole)) or via) and 3 and (BPSG boro adj phosphosilicate borophosphosilicate boro-phosphosilicate)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/01/21 08:38
L7	4	(titanium near2 zinc near12 alloy) same ((contact adj (opening or hole)) or via) and 3 and step adj coverage	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/01/21 08:42
L8	7	(titanium near2 zinc near12 alloy) same ((contact adj (opening or hole)) or via) and step adj coverage and memory and substrate	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/01/21 08:42

L10	76	(US-20010006240-\$ or US-20010022369-\$ or US-20010038115-\$ or US-20010042505-\$ or US-20010052610-\$ or US-20020000263-\$ or US-20020000662-\$ or US-20020006525-\$ or US-20020006716-\$ or US-20020017724-\$ or US-20020043678-\$ or US-20020047153-\$ or US-20020053691-\$ or US-20020056862-\$ or US-20020060331-\$ or US-20030001183-\$ or US-20030030144-\$ or US-20030119246-\$).did. or (US-4557943-\$ or US-4782380-\$ or US-4985750-\$ or US-4994410-\$ or US-5229643-\$ or US-5233217-\$ or US-5239196-\$ or US-5355020-\$ or US-5386135-\$ or US-5401674-\$ or US-5444018-\$ or US-5463234-\$ or US-5475240-\$ or US-5523626-\$ or US-5534716-\$ or US-5576928-\$ or US-5644166-\$ or US-5725739-\$ or US-5773890-\$ or US-5811851-\$ or US-5846881-\$ or US-5883781-\$ or US-5924012-\$ or US-5970309-\$ or US-6016012-\$ or US-6031288-\$). did. or (US-6043526-\$ or US-6051286-\$ or US-6087727-\$ or US-6140230-\$ or US-6143362-\$ or US-6143649-\$ or US-6153490-\$ or US-6198151-\$ or US-6208033-\$ or US-6217721-\$ or US-6221770-\$ or US-6239492-\$ or US-6252281-\$ or US-6255151-\$ or US-6255216-\$ or US-6284316-\$ or US-6294469-\$ or US-6320213-\$ or US-6376368-\$ or US-6429493-\$ or US-6433434-\$ or US-6552431-\$ or US-6570252-\$ or US-6605533-\$ or US-6650017-\$ or US-6830820-\$ or US-6830838-\$). did. or (JP-04196419-\$ or JP-08176823-\$).did. or (JP-63284857-\$ or JP-04196419-\$ or EP-798777-\$).did.	US-PGPUB; USPAT; JPO; DERWENT	OR	OFF	2005/01/21 09:00
L11	14	10 and sandhu.in.	US-PGPUB; USPAT; JPO; DERWENT	OR	OFF	2005/01/21 09:13

L12	351	(decrease decreasing reduce reduction) near3 contact adj resistance.ti,ab,clm. and "257"/\$8. ccls.	US-PGPUB; USPAT; JPO; DERWENT	OR	OFF	2005/01/21 09:08
L13	131	(decrease decreasing reduce reduction) near3 contact adj resistance.ti,ab,clm. and "257"/\$8. ccls.	USPAT	OR	OFF	2005/01/21 09:08
L14	164	seed adj layer and (chemical adj vapor adj deposition cvd) and titanium.ti,ab,clm. and contact adj resistance	US-PGPUB; USPAT; JPO; DERWENT	OR	OFF	2005/01/21 09:14
L15	11788	((257/296) or (257/297) or (257/298) or (257/299) or (257/300) or (257/30\$1) or (257/310) or (257/311) or (257/312) or (257/313) or (257/734) or (257/750) or (257/754) or (257/755) or (257/757) or (257/758) or (257/763) or (257/764) or (257/768) or (257/770) or (257/906)).CCLS.	US-PGPUB; USPAT	OR	OFF	2005/01/21 09:17
L16	531	15 not 3	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/01/21 09:17
L17	0	16 and seed adj layer and cvd and zinc near3 titanium	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/01/21 09:18
L18	0	16 and cvd and zinc near3 titanium	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/01/21 09:18
L19	1	16 and zinc near3 titanium	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/01/21 09:18

S1	73	(US-6284316-\$ or US-6143362-\$ or US-6221770-\$ or US-5773890-\$ or US-5463234-\$ or US-5475240-\$ or US-6031288-\$ or US-5644166-\$ or US-6217721-\$ or US-6043526-\$ or US-6429493-\$ or US-6087727-\$ or US-5444018-\$ or US-4994410-\$ or US-6650017-\$ or US-4782380-\$ or US-5239196-\$ or US-6433434-\$ or US-5811851-\$ or US-6198151-\$ or US-5576928-\$ or US-4557943-\$ or US-5523626-\$ or US-5924012-\$ or US-6153490-\$ or US-6570252-\$). did. or (US-6552431-\$ or US-6239492-\$ or US-5233217-\$ or US-4985750-\$ or US-5401674-\$ or US-6051286-\$ or US-5883781-\$ or US-6255151-\$ or US-5386135-\$ or US-6252281-\$ or US-6255216-\$ or US-6208033-\$ or US-5534716-\$ or US-5355020-\$ or US-5229643-\$ or US-6143649-\$ or US-6016012-\$ or US-5725739-\$ or US-6320213-\$ or US-6605533-\$ or US-6294469-\$ or US-6140230-\$ or US-5970309-\$ or US-5846881-\$).did. or (US-20020006525-\$ or US-20020000662-\$ or US-20020000263-\$ or US-20020017724-\$ or US-20020047153-\$ or US-20030030144-\$ or US-20030001183-\$ or US-20020056862-\$ or US-20010038115-\$ or US-20010042505-\$ or US-20030119246-\$ or US-20020053691-\$ or US-20010022369-\$ or US-20020006716-\$ or US-20020060331-\$ or US-20010006240-\$ or US-20010052610-\$ or US-20020043678-\$).did. or (JP-08176823-\$ or JP-04196419-\$). did. or (EP-798777-\$ or JP-63284857-\$ or JP-04196419-\$). did.	US-PGPUB; USPAT; JPO; DERWENT	OR	OFF	2004/09/12 12:10
S2	1	S1 and anjum.in.	US-PGPUB; USPAT; JPO; DERWENT	OR	OFF	2004/09/12 12:11
S3	1	step adj coverage.clm. and contact adj hole.clm. and titanium and germanium	US-PGPUB; USPAT; JPO; DERWENT	OR	OFF	2004/09/12 12:12

S4	5	"941123".ap.	US-PGPUB; USPAT; JPO; DERWENT	OR	OFF	2004/09/12 12:12
S5	2	("6143362").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/01/21 06:19
S6	2	("6284316").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2002/05/26 19:11
S7	1962	(257/296).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2002/05/26 19:31
S8	0	((257/296).CCLS.) and memory.ti, ab. and control adj circuit and (i/o or input or output or input/output) adj circuit and (active adj region or active adj layer or channel) and titanium near5 (zinc or cadmium or mercury or aluminum or gallium or indium or tin or silicon or germanium or lead or arsenic or antimony or zn or cd or hg or al or ga or in or sn or si or ge or pb or ar or sb) and (tisi or titanium adj silicide) and (contact adj opening or via)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2002/05/26 19:46
S9	2	((257/296).CCLS.) and memory.ti, ab. and control adj circuit and (i/o or input or output or input/output) adj circuit and (active adj region or active adj layer or channel) and titanium near5 (zinc or cadmium or mercury or aluminum or gallium or indium or tin or silicon or germanium or lead or arsenic or antimony or zn or cd or hg or al or ga or in or sn or si or ge or pb or ar or sb) and (tisi or titanium adj silicide)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2002/05/26 19:52

S10	2	((257/296).CCLS.) and memory.ti, ab. and control adj circuit and (i/o or input or output or input/output) adj circuit and (active adj region or active adj layer or channel) and titanium near5 (zinc or cadmium or mercury or aluminum or gallium or indium or tin or silicon or germanium or lead or arsenic or antimony or zn or cd or hg or al or ga or in or sn or si or ge or pb or ar or sb) and (tisi\$1 or titanium adj silicide)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2002/05/26 19:52
S11	2	((257/296).CCLS.) and memory.ti, ab. and control adj circuit and (i/o or input or output or input/output) adj circuit and (active adj region or active adj layer or channel) and titanium near5 (zinc or cadmium or mercury or aluminum or gallium or indium or tin or silicon or germanium or lead or arsenic or antimony or zn or cd or hg or al or ga or in or sn or si or ge or pb or ar or sb) and ("tisi.sub.2" or titanium adj silicide)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2002/05/26 19:53
S12	4	((257/296).CCLS.) and memory.ti, ab. and control adj circuit and (i/o or input or output or input/output) adj circuit and (active adj region or active adj layer or channel) and titanium near5 (zinc or cadmium or mercury or aluminum or gallium or indium or tin or silicon or germanium or lead or arsenic or antimony or zn or cd or hg or al or ga or in or sn or si or ge or pb or ar or sb)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2002/05/26 19:55
S13	0	((257/296).CCLS.) and memory.ti, ab. and control adj circuit and (i/o or input or output or input/output) adj circuit and (active adj region or active adj layer or channel) and titanium adj alloy	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2002/05/26 19:55
S14	5	((257/296).CCLS.) and memory.ti, ab. and control adj circuit and (i/o or input or output or input/output) adj circuit and (active adj region or active adj layer or channel) and titanium	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2002/05/26 20:22

S15	0	((257/296).CCLS.) and memory.ti, ab. and control adj circuit and (i/o or input or output or input/output) adj circuit and trench adj gate and titanium adj silicide and titanium near3 alloy	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2002/05/26 20:28
S16	14	gate adj insulat\$3 adj layer near12 (titanium adj silicide or "tisi.sub.2")	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2002/05/26 20:34
S17	2	jp-63284857\$-\$.did.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2002/05/26 20:34
S18	563	((257/296).CCLS.) and contact adj hole	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2002/05/26 20:47
S19	65	((257/296).CCLS.) and contact adj hole and (titanium adj silicide or "tisi.sub.2")	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2002/05/26 20:48
S20	30	((257/296).CCLS.) and contact adj hole and (titanium adj silicide or "tisi.sub.2") and (channel or active adj (layer or region)) and titanium adj (silicide or alloy)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2002/05/26 20:49
S21	2	("6252281").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2002/05/27 12:06
S22	43	((("3900312") or ("4340617") or ("4343870") or ("4359490") or ("4713258") or ("4721631") or ("4751101") or ("4868005") or ("4876112") or ("4884123") or ("4923717") or ("4957777") or ("4971655"))).PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2002/05/27 12:08
S23	13	((("3900312") or ("4340617") or ("4343870") or ("4359490") or ("4713258") or ("4721631") or ("4751101") or ("4868005") or ("4876112") or ("4884123") or ("4923717") or ("4957777") or ("4971655"))).PN.	USPAT; USOCR	OR	OFF	2002/05/27 12:10

S24	28	((("5005519") or ("5015330") or ("5022905") or ("5032233") or ("5049975") or ("5124780") or ("5136362") or ("5147819") or ("5173327") or ("5192589") or ("5196360") or ("5202579") or ("5227331") or ("5227334") or ("5232873") or ("5240739") or ("5246881") or ("5252518") or ("5254499") or ("5258096") or ("5273783") or ("5275715") or ("5278100") or ("5306951") or ("5320880") or ("5341016") or ("5344792") or ("5374591"))).PN.	USPAT; USOCR	OR	OFF	2002/05/27 12:20
S25	31	((("5376405") or ("5381302") or ("5384284") or ("5391410") or ("5393564") or ("5399379") or ("5416045") or ("5425392") or ("5459353") or ("5459762") or ("5506166") or ("5508066") or ("5567243") or ("5571572") or ("5575708") or ("5595784") or ("5607722") or ("5633200") or ("5641545") or ("5644166") or ("5693557") or ("5747116") or ("5773890") or ("5828131") or ("5834371") or ("5838052") or ("5956595") or ("5973402") or ("6031288") or ("6120844") or ("6143362"))).PN.	USPAT; USOCR	OR	OFF	2002/05/27 12:27
S26	0	ep-0798777\$-\$\$.did.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2002/05/27 12:28
S27	2	ep-798777\$-\$\$.did.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2002/05/27 12:32
S28	2	jp-08176823\$-\$\$.did.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2002/05/27 12:37
S29	1	jp-07092000\$-\$\$.did.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2002/05/27 12:38



S30	1	"7-092000"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2002/05/27 13:04
S31	0	("titaniumadjalloynear5titaniumadjsilicide").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2002/05/27 13:05
S32	23	titanium adj alloy near5 titanium adj silicide	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2002/05/27 13:05
S33	19	titanium adj alloy near3 titanium adj silicide	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2002/05/27 13:18
S34	18	memory adj2 array and control adj circuit and (input/output or i/o) adj circuit and (titanium adj silicide or titanium-silicon) and titanium near2 (zinc or zn or cadmium or cd or mercury or hg or aluminum or al or aluminium or ga or gallium or indium or tin or sn or ge or germanium or pb or ar or arsenic or antimony or sb)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2002/05/27 13:24
S35	32	memory adj2 array and control adj circuit and (input/output or i/o) adj circuit and (titanium adj silicide or titanium-silicon)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2002/05/27 13:29
S36	28	memory adj2 array and control adj circuit and (input/output or i/o) adj circuit and (titanium adj silicide or titanium-silicon) and contact adj hole	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2002/05/27 15:09
S37	7	("5239196").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2002/05/27 17:25
S38	0	("L3orL4orL5").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2002/05/27 17:25

S39	72	(((("3900312") or ("4340617") or ("4343870") or ("4359490") or ("4713258") or ("4721631") or ("4751101") or ("4868005") or ("4876112") or ("4884123") or ("4923717") or ("4957777") or ("4971655")).PN.) or (((("5005519") or ("5015330") or ("5022905") or ("5032233") or ("5049975") or ("5124780") or ("5136362") or ("5147819") or ("5173327") or ("5192589") or ("5196360") or ("5202579") or ("5227331") or ("5227334") or ("5232873") or ("5240739") or ("5246881") or ("5252518") or ("5254499") or ("5258096") or ("5273783") or ("5275715") or ("5278100") or ("5306951") or ("5320880") or ("5341016") or ("5344792") or ("5374591")).PN.) or (((("5376405") or ("5381302") or ("5384284") or ("5391410") or ("5393564") or ("5399379") or ("5416045") or ("5425392") or ("5459353") or ("5459762") or ("5506166") or ("5508066") or ("5567243") or ("5571572") or ("5575708") or ("5595784") or ("5607722") or ("5633200") or ("5641545") or ("5644166") or ("5693557") or ("5747116") or ("5773890") or ("5828131") or ("5834371") or ("5838052") or ("5956595") or ("5973402") or ("6031288") or ("6120844") or ("6143362")).PN.)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2002/05/27 17:25
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S40	23	((((("3900312") or ("4340617") or ("4343870") or ("4359490") or ("4713258") or ("4721631") or ("4751101") or ("4868005") or ("4876112") or ("4884123") or ("4923717") or ("4957777") or ("4971655")).PN.) or (((("5005519") or ("5015330") or ("5022905") or ("5032233") or ("5049975") or ("5124780") or ("5136362") or ("5147819") or ("5173327") or ("5192589") or ("5196360") or ("5202579") or ("5227331") or ("5227334") or ("5232873") or ("5240739") or ("5246881") or ("5252518") or ("5254499") or ("5258096") or ("5273783") or ("5275715") or ("5278100") or ("5306951") or ("5320880") or ("5341016") or ("5344792") or ("5374591")).PN.) or (((("5376405") or ("5381302") or ("5384284") or ("5391410") or ("5393564") or ("5399379") or ("5416045") or ("5425392") or ("5459353") or ("5459762") or ("5506166") or ("5508066") or ("5567243") or ("5571572") or ("5575708") or ("5595784") or ("5607722") or ("5633200") or ("5641545") or ("5644166") or ("5693557") or ("5747116") or ("5773890") or ("5828131") or ("5834371") or ("5838052") or ("5956595") or ("5973402") or ("6031288") or ("6120844") or ("6143362")).PN.)) and aspect adj ratio	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2002/05/27 17:27
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S41	0	((((("3900312") or ("4340617") or ("4343870") or ("4359490") or ("4713258") or ("4721631") or ("4751101") or ("4868005") or ("4876112") or ("4884123") or ("4923717") or ("4957777") or ("4971655")).PN.) or (((("5005519") or ("5015330") or ("5022905") or ("5032233") or ("5049975") or ("5124780") or ("5136362") or ("5147819") or ("5173327") or ("5192589") or ("5196360") or ("5202579") or ("5227331") or ("5227334") or ("5232873") or ("5240739") or ("5246881") or ("5252518") or ("5254499") or ("5258096") or ("5273783") or ("5275715") or ("5278100") or ("5306951") or ("5320880") or ("5341016") or ("5344792") or ("5374591")).PN.) or (((("5376405") or ("5381302") or ("5384284") or ("5391410") or ("5393564") or ("5399379") or ("5416045") or ("5425392") or ("5459353") or ("5459762") or ("5506166") or ("5508066") or ("5567243") or ("5571572") or ("5575708") or ("5595784") or ("5607722") or ("5633200") or ("5641545") or ("5644166") or ("5693557") or ("5747116") or ("5773890") or ("5828131") or ("5834371") or ("5838052") or ("5956595") or ("5973402") or ("6031288") or ("6120844") or ("6143362")).PN.)) and aspect adj ratio and memory.ti, ab.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2002/05/27 17:27
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S42	9	(((("3900312") or ("4340617") or ("4343870") or ("4359490") or ("4713258") or ("4721631") or ("4751101") or ("4868005") or ("4876112") or ("4884123") or ("4923717") or ("4957777") or ("4971655")).PN.) or (((("5005519") or ("5015330") or ("5022905") or ("5032233") or ("5049975") or ("5124780") or ("5136362") or ("5147819") or ("5173327") or ("5192589") or ("5196360") or ("5202579") or ("5227331") or ("5227334") or ("5232873") or ("5240739") or ("5246881") or ("5252518") or ("5254499") or ("5258096") or ("5273783") or ("5275715") or ("5278100") or ("5306951") or ("5320880") or ("5341016") or ("5344792") or ("5374591")).PN.) or (((("5376405") or ("5381302") or ("5384284") or ("5391410") or ("5393564") or ("5399379") or ("5416045") or ("5425392") or ("5459353") or ("5459762") or ("5506166") or ("5508066") or ("5567243") or ("5571572") or ("5575708") or ("5595784") or ("5607722") or ("5633200") or ("5641545") or ("5644166") or ("5693557") or ("5747116") or ("5773890") or ("5828131") or ("5834371") or ("5838052") or ("5956595") or ("5973402") or ("6031288") or ("6120844") or ("6143362")).PN.)) and aspect adj ratio same (connection or contact) adj hole	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2002/05/27 18:15
S43	12	aspect adj ratio same (connection or contact) adj hole and titanium adj silicide and titanium adj alloy	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2002/05/27 20:44
S44	7	("5239196").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2002/05/27 20:44
S45	0	("((titaniumnear2zincorti-zn)near6in terconnect)").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2002/05/27 21:33

S46	0	((titanium near2 zinc or ti-zn) near6 interconnect)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2002/05/27 21:34
S47	0	(titanium near6 zinc near6 alloy) near6 interconnect\$3	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2002/05/27 21:34
S48	0	(titanium near2 zinc near12 alloy) and ((contact adj (opening or hole)) or via) and (memory adj (device or array or cell)).ti,ab.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2002/05/28 10:16
S49	194	(titanium near2 zinc near12 alloy) and ((contact adj (opening or hole)) or via)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2002/05/28 10:17
S50	9	(titanium near2 zinc near12 alloy) same ((contact adj (opening or hole)) or via)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/01/21 08:30
S51	5090	zinc same ((contact adj (opening or hole)) or via)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2002/05/28 10:21
S52	0	(zinc near6 contact adj (hole or opening)) and memory.ti,ab.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2002/05/28 10:22
S53	857	zinc near6 (contact adj (hole or opening) or via)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2002/05/28 10:23
S54	5	(zn or zinc) near6 (contact adj (hole or opening) or via) and memory.ti, ab.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2002/05/28 10:43
S55	1120	(zn or zinc) near6 (contact adj (hole or opening) or via)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2002/05/28 10:47

S56	47	(zn or zinc) near6 (contact adj (hole or opening) or via) and gate	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2002/05/28 12:05
S57	1	diffusion adj barrier near12 (zinc near2 titanium)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2002/05/28 10:59
S58	1	"5976969".PN.	USPAT	OR	OFF	2002/05/28 11:01
S59	1	"5871805".PN.	USPAT	OR	OFF	2002/05/28 11:02
S60	1	"5472505".PN.	USPAT	OR	OFF	2002/05/28 11:02
S61	1	"5472505".PN.	USPAT	OR	OFF	2002/05/28 11:03
S62	66	(zinc near6 alloy near6 titanium) and (memory.ti,ab. or control adj circuit.ti,ab. or (i/o or input/output or input or output) adj circuit).ti,ab.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2002/05/28 12:04
S63	6026	(zn or zinc) near6 (contact or via)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2002/05/28 12:06
S64	71	((zn or zinc) near6 (contact or via)) near6 (source or drain)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2002/05/28 13:18
S65	0	(interconnect near2 metal near10 zinc) and interconnect\$3.ti,ab. and "257"/\$6.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2002/05/28 13:19
S66	1	(interconnect near2 zinc) and interconnect\$3.ti,ab. and "257"/\$6.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2002/05/28 13:19
S67	22	(interconnect near12 zinc) and interconnect\$3.ti,ab.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2002/05/28 13:19
S68	7	("5239196").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2002/05/28 15:05

S69	2	("6217721").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2002/05/28 15:05
S70	23	(US-5463234-\$ or US-6087727-\$ or US-5386135-\$ or US-6255151-\$ or US-6252281-\$ or US-6143362-\$ or US-6217721-\$ or US-6031288-\$ or US-5239196-\$ or US-4557943-\$ or US-5523626-\$ or US-6221770-\$ or US-6284316-\$).did. or (US-20020060331-\$ or US-20020043678-\$ or US-20020006716-\$ or US-20010006240-\$ or US-20010052610-\$ or US-20020053691-\$ or US-20010022369-\$).did. or (JP-08176823-\$).did. or (JP-63284857-\$ or EP-798777-\$).did.	US-PGPUB; USPAT; JPO; DERWENT	OR	OFF	2002/11/23 18:11
S71	1	("5239196").PN.	USPAT; USOCR	OR	OFF	2002/11/24 11:41
S72	1	((("5239196").PN.) and "27" and "28" and gate and contact adj (hole or opening) and (titanium adj alloy or titanium adj silicide)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2002/11/24 11:53
S73	1	("6217721").PN.	USPAT; USOCR	OR	OFF	2002/11/24 11:53
S74	1	((("6217721").PN.) and titanium	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2002/11/24 11:53
S75	23	(US-6255151-\$ or US-6252281-\$ or US-6087727-\$ or US-5463234-\$ or US-6221770-\$ or US-5523626-\$ or US-4557943-\$ or US-5239196-\$ or US-6031288-\$ or US-6217721-\$ or US-5386135-\$ or US-6284316-\$ or US-6143362-\$).did. or (US-20010022369-\$ or US-20020053691-\$ or US-20020060331-\$ or US-20010006240-\$ or US-20010052610-\$ or US-20020006716-\$ or US-20020043678-\$).did. or (JP-08176823-\$).did. or (EP-798777-\$ or JP-63284857-\$).did.	US-PGPUB; USPAT; JPO; DERWENT	OR	OFF	2002/11/24 13:12



S76	6	((US-6255151-\$ or US-6252281-\$ or US-6087727-\$ or US-5463234-\$ or US-6221770-\$ or US-5523626-\$ or US-4557943-\$ or US-5239196-\$ or US-6031288-\$ or US-6217721-\$ or US-5386135-\$ or US-6284316-\$ or US-6143362-\$).did. or (US-20010022369-\$ or US-20020053691-\$ or US-20020060331-\$ or US-20010006240-\$ or US-20010052610-\$ or US-20020006716-\$ or US-20020043678-\$).did. or (JP-08176823-\$).did. or (EP-798777-\$ or JP-63284857-\$). did.) and titanium adj alloy and titanium adj silicide	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2002/11/24 13:21
S77	5937	((257/296) or (257/297) or (257/298) or (257/299) or (257/300) or (257/301) or (257/302) or (257/302) or (257/303) or (257/304) or (257/305) or (257/306) or (257/307) or (257/308) or (257/309) or (257/310) or (257/311) or (257/312) or (257/313)).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2002/11/24 13:44
S78	146	((257/296) or (257/297) or (257/298) or (257/299) or (257/300) or (257/301) or (257/302) or (257/302) or (257/303) or (257/304) or (257/305) or (257/306) or (257/307) or (257/308) or (257/309) or (257/310) or (257/311) or (257/312) or (257/313)).CCLS.) and titanium near3 (zinc or zn or cadmium or cd or mercury or hg or aluminum or al or gallium or ga or indium or in or tin or sn or germanium or ge or lead or pb or arsenic or as or antimony or sb) and titanium adj silicide	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2002/11/24 13:49

S79	189	(((257/296) or (257/297) or (257/298) or (257/299) or (257/300) or (257/301) or (257/302) or (257/302) or (257/303) or (257/304) or (257/305) or (257/306) or (257/307) or (257/308) or (257/309) or (257/310) or (257/311) or (257/312) or (257/313)).CCLS.) and titanium near13 (zinc or zn or cadmium or cd or mercury or hg or aluminum or al or gallium or ga or indium or in or tin or sn or germanium or ge or lead or pb or arsenic or as or antimony or sb) and titanium adj silicide and contact	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2002/11/24 13:51
S80	119	(((257/296) or (257/297) or (257/298) or (257/299) or (257/300) or (257/301) or (257/302) or (257/302) or (257/303) or (257/304) or (257/305) or (257/306) or (257/307) or (257/308) or (257/309) or (257/310) or (257/311) or (257/312) or (257/313)).CCLS.) and titanium near13 (zinc or zn or cadmium or cd or mercury or hg or aluminum or al or gallium or ga or indium or in or tin or sn or germanium or ge or lead or pb or arsenic or as or antimony or sb) and titanium adj silicide and contact and memory.ti, ab,clm.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2002/11/24 13:53
S81	84	(((257/296) or (257/297) or (257/298) or (257/299) or (257/300) or (257/301) or (257/302) or (257/302) or (257/303) or (257/304) or (257/305) or (257/306) or (257/307) or (257/308) or (257/309) or (257/310) or (257/311) or (257/312) or (257/313)).CCLS.) and titanium near13 (zinc or zn or cadmium or cd or mercury or hg or aluminum or al or gallium or ga or indium or in or tin or sn or germanium or ge or lead or pb or arsenic or as or antimony or sb) and titanium adj silicide and contact.ti,ab,clm. and memory.ti,ab,clm.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2002/11/24 13:55

S82	84	(((257/296) or (257/297) or (257/298) or (257/299) or (257/300) or (257/301) or (257/302) or (257/302) or (257/303) or (257/304) or (257/305) or (257/306) or (257/307) or (257/308) or (257/309) or (257/310) or (257/311) or (257/312) or (257/313)).CCLS.) and titanium near13 (zinc or zn or cadmium or cd or mercury or hg or aluminum or al or gallium or ga or indium or in or tin or sn or germanium or ge or lead or pb or arsenic or as or antimony or sb) and titanium adj silicide and contact.ti,ab,clm. and memory.ti,ab,clm.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2002/11/24 14:38
S83	2	(((257/296) or (257/297) or (257/298) or (257/299) or (257/300) or (257/301) or (257/302) or (257/302) or (257/303) or (257/304) or (257/305) or (257/306) or (257/307) or (257/308) or (257/309) or (257/310) or (257/311) or (257/312) or (257/313)).CCLS.) and titanium adj precursor near12 (germanium or indium or arsenic or lead or cadmium or mercury or zinc or aluminum or aluminium or gallium or tin or antimony)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2002/11/24 14:41
S84	25	(US-6143362-\$ or US-6284316-\$ or US-6252281-\$ or US-5386135-\$ or US-6255151-\$ or US-6221770-\$ or US-5523626-\$ or US-4557943-\$ or US-5239196-\$ or US-6031288-\$ or US-6217721-\$ or US-5463234-\$ or US-6087727-\$).did. or (US-20010006240-\$ or US-20020060331-\$ or US-20020043678-\$ or US-20020006716-\$ or US-20010022369-\$ or US-20010052610-\$ or US-20020053691-\$ or US-20020047153-\$ or US-20020017724-\$).did. or (JP-08176823-\$).did. or (JP-63284857-\$ or EP-798777-\$).did.	US-PGPUB; USPAT; JPO; DERWENT	OR	OFF	2002/11/24 15:03

S85	25	((US-6143362-\$ or US-6284316-\$ or US-6252281-\$ or US-5386135-\$ or US-6255151-\$ or US-6221770-\$ or US-5523626-\$ or US-4557943-\$ or US-5239196-\$ or US-6031288-\$ or US-6217721-\$ or US-5463234-\$ or US-6087727-\$).did. or (US-20010006240-\$ or US-20020060331-\$ or US-20020043678-\$ or US-20020006716-\$ or US-20010022369-\$ or US-20010052610-\$ or US-20020053691-\$ or US-20020047153-\$ or US-20020017724-\$).did. or (JP-08176823-\$).did. or (JP-63284857-\$ or EP-798777-\$).did.)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2002/11/24 15:08
S86	9	((("5229643") or ("5355020") or ("5534716") or ("5725739") or ("6016012") or ("6143649") or ("6208033") or ("6255216") or ("6320213")).PN.	USPAT; USOCR	OR	OFF	2002/11/24 15:43
S87	0	jp-044196419\$-\$).did.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2002/11/24 15:44
S88	2	jp-04196419\$-\$).did.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2002/11/24 15:44
S89	9	(US-6255216-\$ or US-6320213-\$ or US-6143649-\$ or US-6208033-\$ or US-5725739-\$ or US-6016012-\$ or US-5534716-\$ or US-5229643-\$ or US-5355020-\$).did.	USPAT	OR	OFF	2002/11/24 16:07
S90	3683	((257/734) or (257/757) or (257/754) or (257/755) or (257/763) or (257/770) or (257/771)).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2002/11/24 16:08

S91	13	((257/734) or (257/757) or (257/754) or (257/755) or (257/763) or (257/770) or (257/771)).CCLS.) and (titanium adj alloy or (titanium near13 (cadmium or indium or aluminium or aluminum or arsenic or lead or germanium or antimony or mercury or zinc))) and titanium adj silicide and contact.ab,ti,clm. and memory. ti,ab,clm.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2002/11/24 16:22
S92	2	("6143362").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2002/11/24 19:36
S93	6	("5656836").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2002/11/24 19:51
S94	2	("6284316").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2002/11/24 19:51
S95	2	("6284316").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2003/04/18 16:08
S96	2	("6143362").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2003/04/18 16:08
S97	0	("941123.ap.").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2003/04/18 17:44
S98	5	"941123".ap.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2003/04/18 17:47

S99	9831	((257/296) or (257/297) or (257/298) or (257/299) or (257/300) or (257/301) or (257/301) or (257/302) or (257/303) or (257/304) or (257/305) or (257/306) or (257/307) or (257/308) or (257/309) or (257/310) or (257/311) or (257/312) or (257/313) or (257/734) or (257/755) or (257/754) or (257/757) or (257/763) or (257/770)).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2003/04/18 17:50
S10 0	283	((257/296) or (257/297) or (257/298) or (257/299) or (257/300) or (257/301) or (257/301) or (257/302) or (257/303) or (257/304) or (257/305) or (257/306) or (257/307) or (257/308) or (257/309) or (257/310) or (257/311) or (257/312) or (257/313) or (257/734) or (257/755) or (257/754) or (257/757) or (257/763) or (257/770)).CCLS.) and (tis or titanium adj silicide) and (titanium near12 alloy)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2003/04/18 17:52
S10 1	190	((257/296) or (257/297) or (257/298) or (257/299) or (257/300) or (257/301) or (257/301) or (257/302) or (257/303) or (257/304) or (257/305) or (257/306) or (257/307) or (257/308) or (257/309) or (257/310) or (257/311) or (257/312) or (257/313) or (257/734) or (257/755) or (257/754) or (257/757) or (257/763) or (257/770)).CCLS.) and (tis or titanium adj silicide) and (titanium near4 alloy)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2003/04/18 17:53
S10 2	16	"5924012"	USPAT	OR	OFF	2003/11/11 11:31
S10 3	1	("5924012").PN.	USPAT; USOCR	OR	OFF	2003/11/11 11:31
S10 4	0	("941125.ap.").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2003/11/11 14:59

S10 5	4	"941125".ap.	US-PGPUB; USPAT	OR	OFF	2003/11/11 16:11
S10 6	1	("6153490").PN.	USPAT; USOCR	OR	OFF	2003/11/11 15:04
S10 7	1	("5239196").PN.	USPAT; USOCR	OR	OFF	2003/11/11 15:08
S10 8	3	"941123".ap.	USPAT	OR	OFF	2003/11/11 15:08
S10 9	1	("6217721").PN.	USPAT; USOCR	OR	OFF	2003/11/11 16:11
S11 0	0	jp-2000026196\$-\$.did.	USPAT	OR	OFF	2003/11/12 09:08
S11 1	2	jp-2000026196\$-\$.did.	USPAT; JPO; DERWENT	OR	OFF	2003/11/12 09:08
S11 2	2873	257/296	USPAT	OR	OFF	2003/11/12 15:10
S11 3	6964	((257/296) or (257/297) or (257/298) or (257/299) or (257/300) or (257/301) or (257/302) or (257/303) or (257/304) or (257/305) or (257/306) or (257/307) or (257/308) or (257/309) or (257/310) or (257/311) or (257/312) or (257/313) or (257/734) or (257/754) or (257/755) or (257/757) or (257/763) or (257/770)).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2003/11/12 15:12
S11 4	0	(((257/296) or (257/297) or (257/298) or (257/299) or (257/300) or (257/301) or (257/302) or (257/303) or (257/304) or (257/305) or (257/306) or (257/307) or (257/308) or (257/309) or (257/310) or (257/311) or (257/312) or (257/313) or (257/734) or (257/754) or (257/755) or (257/757) or (257/763) or (257/770)).CCLS.) and titanium near12 (zinc zn cadmium cd mercury hg aluminium aluminum al gallium ga indium tin sn silicon si antimony germanium ge lead pb arsenic) and memory and tintaium adj silicide and (contact via)	US-PGPUB; USPAT	OR	OFF	2003/11/12 15:15

S11 5	23	((257/296) or (257/297) or (257/298) or (257/299) or (257/300) or (257/301) or (257/302) or (257/303) or (257/304) or (257/305) or (257/306) or (257/307) or (257/308) or (257/309) or (257/310) or (257/311) or (257/312) or (257/313) or (257/734) or (257/754) or (257/755) or (257/757) or (257/763) or (257/770)).CCLS.) and (bpsg borophosphosilicate boro-phosphosilicate boro-phospho-silicate) near5 glass and memory and (ti titanium) near2 alloy	US-PGPUB; USPAT	OR	OFF	2003/11/12 15:16
S11 6	4	"947405".ap.	US-PGPUB; USPAT	OR	OFF	2003/11/12 16:28
S11 7	0	"9479847"	US-PGPUB; USPAT	OR	OFF	2003/11/12 16:29
S11 8	2	"479847".ap.	US-PGPUB; USPAT	OR	OFF	2003/11/12 16:29
S11 9	157	"20010042505" "4994410" "5444018" "5846881" "5970309" "6140230" "6294469" "6605533"	US-PGPUB; USPAT	OR	OFF	2004/03/19 20:17
S12 0	8	((("20010042505") or ("4994410") or ("5444018") or ("5846881") or ("5970309") or ("6140230") or ("6294469") or ("6605533"))).PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2004/03/19 20:19



S12 1	49	(US-6284316-\$ or US-6143362-\$ or US-4557943-\$ or US-5239196-\$ or US-6087727-\$ or US-5463234-\$ or US-6221770-\$ or US-5523626-\$ or US-5846881-\$ or US-4994410-\$ or US-5444018-\$ or US-6605533-\$ or US-6294469-\$ or US-6140230-\$ or US-6255216-\$ or US-6208033-\$ or US-6143649-\$ or US-6252281-\$ or US-6255151-\$ or US-6016012-\$ or US-5534716-\$ or US-5725739-\$ or US-5355020-\$ or US-5229643-\$ or US-5924012-\$ or US-6153490-\$). did. or (US-5970309-\$ or US-5386135-\$ or US-6031288-\$ or US-6217721-\$ or US-6320213-\$). did. or (US-20020047153-\$ or US-20020017724-\$ or US-20020000662-\$ or US-20020000263-\$ or US-20020060331-\$ or US-20010042505-\$ or US-20010052610-\$ or US-20020053691-\$ or US-20010022369-\$ or US-20020043678-\$ or US-20010006240-\$ or US-20030001183-\$ or US-20020006716-\$).did. or (JP-08176823-\$ or JP-04196419-\$). did. or (EP-798777-\$ or JP-63284857-\$ or JP-04196419-\$). did.	US-PGPUB; USPAT; JPO; DERWENT	OR	OFF	2004/03/20 11:53
S12 2	663	titanium adj nitride near2 alloy	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/03/20 11:56
S12 3	48	titanium adj nitride adj alloy	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/03/20 12:00
S12 4	5	"941123".ap.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/03/20 11:57
S12 5	13	titanium adj alloy and conformal and titanium adj silicide and memory adj array	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/03/20 12:15

S12 6	9	titanium adj alloy near12 titanium adj silicide and memory.ti,ab,clm.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/03/20 12:16
S12 7	9	titanium adj alloy near12 titanium adj silicide and alloy and memory.ti, ab,clm.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/03/20 12:17
S12 8	273	titanium adj alloy near12 titanium and alloy and memory.ti,ab,clm.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/03/20 12:17
S12 9	536	(TiW TiCd TiZn TiSn Ti TiHg TiAl TiGa TiIn TiGe TiPb TiAs TiSb Ti--W Ti--Cd Ti--Zn Ti--Sn Ti Ti--Hg Ti--Al Ti--Ga Ti--In Ti--Ge Ti--Pb Ti--As Ti--Sb titanium) near20 silicide and alloy and memory.ti,ab,clm.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/03/20 12:50
S13 0	70	(titanium adj silicide tisi "tisi/sub.") and titanium near4 alloy and memory.ti,ab,clm.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/03/20 13:07
S13 1	0	(anneal annealing) near4 titanium adj alloy near12 silicide	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/03/20 13:08
S13 2	830	(anneal annealing) near4 titanium near12 silicide	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/03/20 13:08
S13 3	338	(anneal annealing) near6 Ti\$3 near6 silicide	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/03/20 13:10
S13 4	8	(anneal annealing) near6 Ti\$3 near6 silicide and titanium near2 alloy	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/03/20 13:11
S13 5	2	(anneal annealing) near6 Ti\$3 near6 silicide and titanium near2 alloy and memory.ti,ab,clm.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/03/20 13:12

S13 6	2	(anneal annealing) near6 Ti\$3 near6 silicide and titanium near2 alloy and (sram dram memory).ti, ab,clm. and alloy	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/03/20 13:22
S13 7	59	contact adj (hole plug) near6 alloy and silicide and (sram dram memory)".ti,ab,clm"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/03/20 13:24
S13 8	17	contact adj (hole plug) near6 alloy near6 (titanium ti) and silicide and (sram dram memory)".ti,ab,clm"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/03/20 13:40
S13 9	17	contact adj (hole plug) near6 alloy near6 (titanium ti) and silicide and (sram dram memory)".ti,ab,clm" and (tungsten W alumin\$um Al)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/03/20 13:41

S14 0	54	(US-5475240-\$ or US-6198151-\$ or US-6043526-\$ or US-6433434-\$ or US-5444018-\$ or US-4994410-\$ or US-5846881-\$ or US-6140230-\$ or US-6294469-\$ or US-6605533-\$ or US-5970309-\$ or US-6153490-\$ or US-5924012-\$ or US-5229643-\$ or US-5355020-\$ or US-5725739-\$ or US-5534716-\$ or US-6016012-\$ or US-6143649-\$ or US-6208033-\$ or US-6255216-\$ or US-6320213-\$ or US-6217721-\$ or US-6031288-\$ or US-5239196-\$ or US-4557943-\$). did. or (US-5523626-\$ or US-6221770-\$ or US-5463234-\$ or US-6252281-\$ or US-6087727-\$ or US-5386135-\$ or US-6284316-\$ or US-6143362-\$ or US-6255151-\$). did. or (US-20020017724-\$ or US-20020006525-\$ or US-20010042505-\$ or US-20030001183-\$ or US-20020047153-\$ or US-20020000263-\$ or US-20020000662-\$ or US-20010006240-\$ or US-20020006716-\$ or US-20020053691-\$ or US-20020060331-\$ or US-20020043678-\$ or US-20010052610-\$ or US-20010022369-\$). did. or (JP-04196419-\$ or JP-08176823-\$). did. or (JP-04196419-\$ or EP-798777-\$ or JP-63284857-\$). did.	US-PGPUB; USPAT; JPO; DERWENT	OR	OFF	2004/03/20 14:21
S14 1	5	"941123".ap.	US-PGPUB; USPAT; JPO; DERWENT	OR	OFF	2004/03/20 14:42
S14 2	771	platinum adj group near6 titanium	US-PGPUB; USPAT; JPO; DERWENT	OR	OFF	2004/03/20 14:45

S14 3	9361	((257/296) or (257/297) or (257/298) or (257/299) or (257/300) or (257/301) or (257/302) or (257/303) or (257/304) or (257/305) or (257/306) or (257/307) or (257/308) or (257/309) or (257/310) or (257/311) or (257/312) or (257/313) or (257/734) or (257/754) or (257/755) or (257/757) or (257/758) or (257/763) or (257/764) or (257/770) or (257/906)).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2004/03/20 15:03
S14 4	26	((257/296) or (257/297) or (257/298) or (257/299) or (257/300) or (257/301) or (257/302) or (257/303) or (257/304) or (257/305) or (257/306) or (257/307) or (257/308) or (257/309) or (257/310) or (257/311) or (257/312) or (257/313) or (257/734) or (257/754) or (257/755) or (257/757) or (257/758) or (257/763) or (257/764) or (257/770) or (257/906)).CCLS.) and titanium near10 alloy and (titanium silicide tisi "tisi.sib."\$1) and (memory dram sram).ti,ab,clm. and (high-temperature anneal annealing) and contact adj (plug hole)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/03/20 14:51
S14 5	465	(257/764).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2004/09/09 18:41
S14 6	20	((257/764).CCLS.) and (ti titanium) near3 alloy and (ti titanium) adj silicide	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/03/20 16:15
S14 7	6	("5239196").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/03/20 16:15
S14 8	7	(sandhu.in. micron adj technolog\$3. as.) and titanium adj alloy.clm. and memory.clm.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/09/06 20:05

S14 9	7	((sandhu.in. micron adj technolog\$3.as.) and titanium adj alloy.clm. and memory.clm.) and (zinc cadmium mercuriy alumin\$um gallium indium tin silicon germanium lead arsenic antimony Zn Cd Hg Al Ga Sn Si Ge Pb As Sb)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/09/06 20:17
S15 0	5	"030705".ap.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/09/07 16:45
S15 1	3	"389562".ap.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/09/07 17:17
S15 2	3	"489187".ap.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/09/07 17:19
S15 3	5	"940917".ap.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/09/07 17:32
S15 4	4	"940980".ap.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/09/07 17:36
S15 5	4	"941125".ap.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/09/07 17:42
S15 6	5	"030705".ap.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/09/07 17:45
S15 7	3	"389562".ap.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/09/07 17:48
S15 8	3	"489187".ap.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/09/07 17:52

S15 9	4	"940980".ap.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/09/07 17:55
S16 0	4	"941125".ap.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/09/07 18:08
S16 1	2	("6284316").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/09/07 18:00
S16 2	4	((("5401674") or ("6433434"))).PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/09/07 18:08
S16 3	2	jp-05006995\$-\$.did.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/09/08 08:27
S16 4	2	("5401674").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/09/08 15:59
S16 5	2	"400144".ap.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/09/08 12:56
S16 6	5	"941123".ap.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/09/08 13:57
S16 7	52	"5239196"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/09/08 14:13

S16 8	6	("5239196").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/09/08 14:59
S16 9	0	(MISFET near6 memory array) and (MISFET near6 control adj circuit) and (MISFET near6 "I/O circuit")	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/09/08 15:00
S17 0	0	(MISFET near12 memory array) and (MISFET near12 control adj circuit) and (MISFET near12 ("I/O circuit" input adj circuit))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/09/08 15:02
S17 1	6	(MOSFET near12 memory array) and (MOSFET near12 control adj circuit) and (MOSFET near12 ("I/O circuit" input adj circuit))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/09/08 15:02
S17 2	0	("memoryadjarraynear6(MOSFETM OSCMOSFETCMOS)").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/09/08 15:59
S17 3	1273	memory adj array near8 (MOS CMOS MOSFET CMOSFET)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/09/08 16:00
S17 4	785	memory adj array near4 (MOS CMOS MOSFET CMOSFET)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/09/08 16:00
S17 5	553	memory adj array near3 (MOS CMOS MOSFET CMOSFET)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/09/08 16:00
S17 6	243	memory adj array near3 (MOS CMOS MOSFET CMOSFET) and (input near6 output near6 circuit)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/09/08 16:02
S17 7	120	memory adj array near3 (MOS CMOS MOSFET CMOSFET) and (input near6 output near6 circuit) near6 (MOS CMOS MOSFET CMOSFET)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/09/08 16:03



S17 8	24	memory adj array near3 (MOS CMOS MOSFET CMOSFET) and (input near6 output near6 circuit) near6 (MOS CMOS MOSFET CMOSFET) and (control adj circuit) near6 (MOS MOSFET CMOS CMOSFET)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/09/08 16:04
S17 9	13	memory adj array near3 (MOS CMOS MOSFET CMOSFET) and (input near6 output near6 circuit) near6 (MOS CMOS MOSFET CMOSFET) and (control adj circuit) near3 (MOS MOSFET CMOS CMOSFET)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/09/08 16:49
S18 0	2	("5401674").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/09/08 17:09
S18 1	1	titanium adj silicide and "941123".ap.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/09/08 17:10
S18 2	1	"5654577".pn. and (nmos mos nmosfet pmosfet pmos cmos cmosfet) near6 (input output)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/09/09 07:45
S18 3	1	"5654577".pn. and (nmos mos nmosfet pmosfet pmos cmos cmosfet) near6 (input output) and din adj buffer	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/09/09 08:39
S18 4	6	contact adj hole near4 nmosfet	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/09/09 08:42
S18 5	23	"5401674"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/09/09 10:24
S18 6	2	("5401674").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/09/09 10:26

S18 7	36	high adj aspect adj ratio and contact adj hole and MOSFET and silicide and BPSG	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/09/09 10:27
S18 8	11	high adj aspect adj ratio and contact adj hole and MOSFET and titanium adj silicide and BPSG	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/09/09 10:27
S18 9	0	high adj aspect adj ratio near6 contact adj hole and MOSFET and titanium adj silicide and BPSG	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/09/09 10:27
S19 0	0	high adj aspect adj ratio near8 contact adj hole and MOSFET and titanium adj silicide and BPSG	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/09/09 10:27
S19 1	4	high adj aspect adj ratio same contact adj hole and MOSFET and titanium adj silicide and BPSG	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/09/09 10:36
S19 2	5	"941123".ap.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/09/09 10:32
S19 3	5	high adj aspect adj ratio same contact adj (plug hole) and MOSFET and titanium adj silicide and BPSG	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/09/09 10:58
S19 4	11	high adj aspect adj ratio same Moore\$1	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/09/09 12:47
S19 5	2	("5644166").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/09/09 12:48
S19 6	2	((("5644166").PN.)-and BPSG-and aspect adj ratio	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/09/09 13:41

S19 7	70	(US-5644166-\$ or US-6051286-\$ or US-6570252-\$ or US-4985750-\$ or US-5233217-\$ or US-6239492-\$ or US-5401674-\$ or US-6153490-\$ or US-6433434-\$ or US-6043526-\$ or US-6552431-\$ or US-6429493-\$ or US-6605533-\$ or US-6294469-\$ or US-6140230-\$ or US-4994410-\$ or US-6650017-\$ or US-4782380-\$ or US-5970309-\$ or US-5846881-\$ or US-5444018-\$ or US-5475240-\$ or US-5924012-\$ or US-5239196-\$ or US-6031288-\$ or US-6217721-\$). did. or (US-6320213-\$ or US-6198151-\$ or US-6255216-\$ or US-6208033-\$ or US-5463234-\$ or US-6087727-\$ or US-6252281-\$ or US-6221770-\$ or US-5773890-\$ or US-5523626-\$ or US-4557943-\$ or US-5355020-\$ or US-5229643-\$ or US-6016012-\$ or US-5725739-\$ or US-5534716-\$ or US-6143649-\$ or US-6284316-\$ or US-6143362-\$ or US-5386135-\$ or US-6255151-\$). did. or (US-20030119246-\$ or US-20010042505-\$ or US-20030030144-\$ or US-20030001183-\$ or US-20010038115-\$ or US-20020056862-\$ or US-20010006240-\$ or US-20020006716-\$ or US-20020060331-\$ or US-20020017724-\$ or US-20020043678-\$ or US-20020006525-\$ or US-20020000662-\$ or US-20020000263-\$ or US-20020047153-\$ or US-20020053691-\$ or US-20010022369-\$ or US-20010052610-\$).did. or (JP-08176823-\$ or JP-04196419-\$). did. or (JP-04196419-\$ or JP-63284857-\$ or EP-798777-\$). did.	US-PGPUB; USPAT; JPO; DERWENT	OR	OFF	2004/09/09 13:42
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S19 8	30	((US-5644166-\$ or US-6051286-\$ or US-6570252-\$ or US-4985750-\$ or US-5233217-\$ or US-6239492-\$ or US-5401674-\$ or US-6153490-\$ or US-6433434-\$ or US-6043526-\$ or US-6552431-\$ or US-6429493-\$ or US-6605533-\$ or US-6294469-\$ or US-6140230-\$ or US-4994410-\$ or US-6650017-\$ or US-4782380-\$ or US-5970309-\$ or US-5846881-\$ or US-5444018-\$ or US-5475240-\$ or US-5924012-\$ or US-5239196-\$ or US-6031288-\$ or US-6217721-\$). did. or (US-6320213-\$ or US-6198151-\$ or US-6255216-\$ or US-6208033-\$ or US-5463234-\$ or US-6087727-\$ or US-6252281-\$ or US-6221770-\$ or US-5773890-\$ or US-5523626-\$ or US-4557943-\$ or US-5355020-\$ or US-5229643-\$ or US-6016012-\$ or US-5725739-\$ or US-5534716-\$ or US-6143649-\$ or US-6284316-\$ or US-6143362-\$ or US-5386135-\$ or US-6255151-\$). did. or (US-20030119246-\$ or US-20010042505-\$ or US-20030030144-\$ or US-20030001183-\$ or US-20010038115-\$ or US-20020056862-\$ or US-20010006240-\$ or US-20020006716-\$ or US-20020060331-\$ or US-20020017724-\$ or US-20020043678-\$ or US-20020006525-\$ or US-20020000662-\$ or US-20020000263-\$ or US-20020047153-\$ or US-20020053691-\$ or US-20010022369-\$ or US-20010052610-\$).did. or (JP-08176823-\$ or JP-04196419-\$). did. or (JP-04196419-\$ or JP-63284857-\$ or EP-798777-\$). did.) and step adj coverage	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/09/09 13:46
S19 9	1	seed adj layer and titanium near6 zinc and barrier adj layer and titanium adj silicide	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/09/09 13:48
S20 0	2	seed adj layer and titanium near6 (zinc germanium germanide) and barrier adj layer and titanium adj silicide	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/09/09 13:50

S20 1	48	seed adj layer and titanium near6 (zinc germanium germanide indium tin arsenic antimony gallium cadmium mercury) and barrier adj layer and titanium adj silicide	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/09/09 13:51
S20 2	48	seed adj layer and titanium near6 (zinc germanium germanide tin arsenic antimony gallium cadmium mercury) and barrier adj layer and titanium adj silicide	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/09/09 13:51
S20 3	48	seed adj layer and titanium near6 (zinc germanium germanide tin arsenic antimony gallium cadmium mercury) and barrier adj layer and titanium adj silicide	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/09/09 13:52
S20 4	2	seed adj layer and titanium near6 (zinc germanium germanide arsenic antimony gallium cadmium mercury) and barrier adj layer and titanium adj silicide	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/09/09 13:53
S20 5	64	titanium near6 (zinc germanium germanide arsenic antimony gallium cadmium mercury) and barrier adj layer and titanium adj silicide	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/09/09 13:53
S20 6	27	titanium near6 (zinc germanium germanide arsenic antimony gallium cadmium mercury) and barrier adj layer and titanium adj silicide and bpsg	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/09/09 13:53
S20 7	0	titanium near6 (zinc germanium germanide arsenic antimony gallium cadmium mercury) and barrier adj layer and titanium adj silicide and bpsg and step adj coverage.clm.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/09/09 13:54
S20 8	4	titanium near6 (zinc germanium germanide arsenic antimony gallium cadmium mercury) and barrier adj layer and titanium adj silicide and bpsg and step adj coverage	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/09/09 13:56
S20 9	0	titanium near6 (zinc germanium germanide arsenic antimony gallium cadmium mercury) and barrier adj layer and titanium adj silicide and bpsg and step adj coverage near6 ("% percent percentage)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/09/09 13:57
S21 0	19	bpsg and step adj coverage near6 ("% percent percentage)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/09/09 14:08

S21 1	2	seed adj layer and zinc and titanium adj silicide and contact and interconnect and (mosfet nmosfet pmosfet cmos cmosfet)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/09/09 14:20
S21 2	17879	dielectric adj layer near6 silicon dioxide same "in situ"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/09/09 14:21
S21 3	0	dielectric adj layer near6 silicon adj dioxide same "in situ"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/09/09 14:21
S21 4	0	dielectric adj layer near6 silicon adj dioxide near6 burning	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/09/09 14:22
S21 5	3566	dielectric adj layer near3 silicon adj dioxide	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/09/09 14:29
S21 6	28	dielectric adj layer near3 silicon adj dioxide near6 thermally adj grown	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/09/09 15:52
S21 7	125	step adj coverage near10 "100"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/09/09 15:53
S21 8	11	step adj coverage near10 "100" near3 (percent "%")	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/09/09 15:53
S21 9	0	step adj coverage near10 "100" adj (percent "%") and BPSG	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/09/09 15:54
S22 0	0	step adj coverage near10 "100" adj (percent "%") and (borophosphosilicate BPSG)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/09/09 15:54

S22 1	8	step adj coverage near10 "100" adj (percent "%")	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/09/09 16:16
S22 2	70	(US-6239492-\$ or US-5233217-\$ or US-4985750-\$ or US-5401674-\$ or US-6051286-\$ or US-5644166-\$ or US-6140230-\$ or US-6294469-\$ or US-5846881-\$ or US-5444018-\$ or US-6605533-\$ or US-6153490-\$ or US-5970309-\$ or US-4994410-\$ or US-6650017-\$ or US-4782380-\$ or US-6433434-\$ or US-6043526-\$ or US-6552431-\$ or US-6570252-\$ or US-5229643-\$ or US-5355020-\$ or US-5534716-\$ or US-5725739-\$ or US-6016012-\$ or US-6143649-\$). did. or (US-6208033-\$ or US-6217721-\$ or US-6031288-\$ or US-6429493-\$ or US-5924012-\$ or US-5475240-\$ or US-5386135-\$ or US-6255151-\$ or US-5239196-\$ or US-6221770-\$ or US-6252281-\$ or US-5463234-\$ or US-6087727-\$ or US-6284316-\$ or US-6143362-\$ or US-5523626-\$ or US-5773890-\$ or US-6255216-\$ or US-6198151-\$ or US-6320213-\$ or US-4557943-\$). did. or (US-20020060331-\$ or US-20020043678-\$ or US-20020000662-\$ or US-20020006525-\$ or US-20030119246-\$ or US-20010042505-\$ or US-20020017724-\$ or US-20030030144-\$ or US-20020056862-\$ or US-20030001183-\$ or US-20010006240-\$ or US-20010038115-\$ or US-20020006716-\$ or US-20010022369-\$ or US-20020047153-\$ or US-20020000263-\$ or US-20010052610-\$ or US-20020053691-\$).did. or (JP-04196419-\$ or JP-08176823-\$). did. or (JP-63284857-\$ or JP-04196419-\$ or EP-798777-\$). did.	US-PGPUB; USPAT; JPO; DERWENT	OR	OFF	2004/09/09 16:14

S22 3	0	((US-6239492-\$ or US-5233217-\$ or US-4985750-\$ or US-5401674-\$ or US-6051286-\$ or US-5644166-\$ or US-6140230-\$ or US-6294469-\$ or US-5846881-\$ or US-5444018-\$ or US-6605533-\$ or US-6153490-\$ or US-5970309-\$ or US-4994410-\$ or US-6650017-\$ or US-4782380-\$ or US-6433434-\$ or US-6043526-\$ or US-6552431-\$ or US-6570252-\$ or US-5229643-\$ or US-5355020-\$ or US-5534716-\$ or US-5725739-\$ or US-6016012-\$ or US-6143649-\$). did. or (US-6208033-\$ or US-6217721-\$ or US-6031288-\$ or US-6429493-\$ or US-5924012-\$ or US-5475240-\$ or US-5386135-\$ or US-6255151-\$ or US-5239196-\$ or US-6221770-\$ or US-6252281-\$ or US-5463234-\$ or US-6087727-\$ or US-6284316-\$ or US-6143362-\$ or US-5523626-\$ or US-5773890-\$ or US-6255216-\$ or US-6198151-\$ or US-6320213-\$ or US-4557943-\$). did. or (US-20020060331-\$ or US-20020043678-\$ or US-20020000662-\$ or US-20020006525-\$ or US-20030119246-\$ or US-20010042505-\$ or US-20020017724-\$ or US-20030030144-\$ or US-20020056862-\$ or US-20030001183-\$ or US-20010006240-\$ or US-20010038115-\$ or US-20020006716-\$ or US-20010022369-\$ or US-20020047153-\$ or US-20020000263-\$ or US-20010052610-\$ or US-20020053691-\$).did. or (JP-04196419-\$ or JP-08176823-\$). did. or (JP-63284857-\$ or JP-04196419-\$ or EP-798777-\$). did.) and step adj coverage.clm.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/09/09 16:15
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S22 4	0	((US-6239492-\$ or US-5233217-\$ or US-4985750-\$ or US-5401674-\$ or US-6051286-\$ or US-5644166-\$ or US-6140230-\$ or US-6294469-\$ or US-5846881-\$ or US-5444018-\$ or US-6605533-\$ or US-6153490-\$ or US-5970309-\$ or US-4994410-\$ or US-6650017-\$ or US-4782380-\$ or US-6433434-\$ or US-6043526-\$ or US-6552431-\$ or US-6570252-\$ or US-5229643-\$ or US-5355020-\$ or US-5534716-\$ or US-5725739-\$ or US-6016012-\$ or US-6143649-\$). did. or (US-6208033-\$ or US-6217721-\$ or US-6031288-\$ or US-6429493-\$ or US-5924012-\$ or US-5475240-\$ or US-5386135-\$ or US-6255151-\$ or US-5239196-\$ or US-6221770-\$ or US-6252281-\$ or US-5463234-\$ or US-6087727-\$ or US-6284316-\$ or US-6143362-\$ or US-5523626-\$ or US-5773890-\$ or US-6255216-\$ or US-6198151-\$ or US-6320213-\$ or US-4557943-\$). did. or (US-20020060331-\$ or US-20020043678-\$ or US-20020000662-\$ or US-20020006525-\$ or US-20030119246-\$ or US-20010042505-\$ or US-20020017724-\$ or US-20030030144-\$ or US-20020056862-\$ or US-20030001183-\$ or US-20010006240-\$ or US-20010038115-\$ or US-20020006716-\$ or US-20010022369-\$ or US-20020047153-\$ or US-20020000263-\$ or US-20010052610-\$ or US-20020053691-\$).did. or (JP-04196419-\$ or JP-08176823-\$). did. or (JP-63284857-\$ or JP-04196419-\$ or EP-798777-\$). did.) and coverage.clm.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/09/09 16:15
S22 5	2	step adj coverage near10 "90" adj (percent "%")	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/09/09 16:18
S22 6	3	step adj coverage near10 "9"\$1 adj (percent "%")	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/09/09 16:37

S22 7	27	seed adj layer near12 zinc and titanium	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/09/09 17:28
S22 8	2	("6143362").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/09/09 17:29
S22 9	2	("6284316").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/09/09 17:30
S23 0	0	("940980.ap.").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/09/09 17:30
S23 1	4	"940980".ap.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/09/09 17:32
S23 2	5	"940917".ap.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/09/09 17:53
S23 3	5	"941123".ap.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/09/09 17:53
S23 4	5380	257/296.ccls. 257/297.ccls. 257/298.ccls. 257/299.ccls. 257/30\$1.ccls. 257/311.ccls. 257/312.ccls. 257/313.ccls.	US-PGPUB; USPAT	OR	OFF	2004/09/09 18:42
S23 5	2471	257/734.ccls. 257/754.ccls. 257/755.ccls. 257/757.ccls. 257/764.ccls. 257/770.ccls. 257/771.ccls.	US-PGPUB; USPAT	OR	OFF	2004/09/09 18:44

S23 6	7775	(257/296.ccls. 257/297.ccls. 257/298.ccls. 257/299.ccls. 257/30\$1.ccls. 257/311.ccls. 257/312.ccls. 257/313.ccls.) or (257/734.ccls. 257/754.ccls. 257/755.ccls. 257/757.ccls. 257/764.ccls. 257/770.ccls. 257/771.ccls.)	US-PGPUB; USPAT	OR	OFF	2004/09/09 18:44
S23 7	7775	((257/296.ccls. 257/297.ccls. 257/298.ccls. 257/299.ccls. 257/30\$1.ccls. 257/311.ccls. 257/312.ccls. 257/313.ccls.) or (257/734.ccls. 257/754.ccls. 257/755.ccls. 257/757.ccls. 257/764.ccls. 257/770.ccls. 257/771.ccls.)) or 437/190.ccls.	US-PGPUB; USPAT	OR	OFF	2004/09/09 18:45
S23 8	2	("5401674").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/09/09 18:45
S23 9	1060	257/e21.165	US-PGPUB; USPAT	OR	OFF	2004/09/09 18:46
S24 0	1060	((("5401674").PN.) 257/e21.165	US-PGPUB; USPAT	OR	OFF	2004/09/09 18:46
S24 1	8685	((((257/296.ccls. 257/297.ccls. 257/298.ccls. 257/299.ccls. 257/30\$1.ccls. 257/311.ccls. 257/312.ccls. 257/313.ccls.) or (257/734.ccls. 257/754.ccls. 257/755.ccls. 257/757.ccls. 257/764.ccls. 257/770.ccls. 257/771.ccls.)) or 437/190.ccls.) 257/e21.165	US-PGPUB; USPAT	OR	OFF	2004/09/09 18:47
S24 2	3	(((((257/296.ccls. 257/297.ccls. 257/298.ccls. 257/299.ccls. 257/30\$1.ccls. 257/311.ccls. 257/312.ccls. 257/313.ccls.) or (257/734.ccls. 257/754.ccls. 257/755.ccls. 257/757.ccls. 257/764.ccls. 257/770.ccls. 257/771.ccls.)) or 437/190.ccls.) 257/e21.165) and titanium adj silicide and titanium near6 zinc and seed adj layer and contact	US-PGPUB; USPAT	OR	OFF	2004/09/09 18:48

S24 3	6	(((((257/296.ccls. 257/297.ccls. 257/298.ccls. 257/299.ccls. 257/301.ccls. 257/311.ccls. 257/312.ccls. 257/313.ccls.) or (257/734.ccls. 257/754.ccls. 257/755.ccls. 257/757.ccls. 257/764.ccls. 257/770.ccls. 257/771.ccls.)) or 437/190.ccls.) 257/e21.165) and titanium adj silicide and titanium near6 zinc and contact	US-PGPUB; USPAT	OR	OFF	2004/09/09 18:48
S24 4	61	step adj coverage near4 (percent "%")	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/09/11 11:03
S24 5	32	step adj coverage near4 (percent "%") and titanium	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/09/11 11:03
S24 6	1	step adj coverage near4 (percent "%") and titanium and reflow	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/09/11 11:05
S24 7	1	step adj coverage near4 (percent "%") and titanium and (reflow reflowing)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/09/11 11:05
S24 8	20	step adj coverage near4 (percent "%") and titanium and barrier	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/09/11 11:14
S24 9	3	step adj coverage near4 (percent "%") and titanium adj silicide and titanium and barrier	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/09/11 11:18
S25 0	3	step adj coverage near4 (percent "%") and titanium adj silicide and titanium and barrier and (MOSFET MISFET MOS adj transistor field effect adj transistor IGBT insulated adj gate gate)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/09/11 11:20
S25 1	1	step adj coverage near4 (percent "%") and titanium adj silicide and titanium and barrier and (MOSFET MISFET MOS adj transistor field adj effect adj transistor IGBT insulated adj gate gate)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/09/11 11:25

S25 2	1	step adj coverage near4 (percent "%") and titanium adj silicide and titanium and barrier and (MOSFET MISFET MOS adj transistor field adj effect adj transistor IGBT insulated adj gate gate transistor)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/09/11 11:41
S25 3	0	titanium adj aluminide and MOSFET and step adj coverage and memory	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/09/11 11:42
S25 4	2	titanium adj aluminide and MOSFET	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/09/11 11:42
S26 8	5	"941123".ap.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/01/21 08:17
S26 9	2	("6433434").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/01/21 06:31
S27 0	5	"030705".ap.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/01/21 06:32
S27 1	5	"940917".ap.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/01/21 06:33